

## Optical identification of the hard X-ray source IGR J18257-0707

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### Abstract

We present the results of our optical identification of the hard X-ray source IGR J18257-0707 through its spectrophotometric observations with the optical RTT-150 telescope. The accurate position of the X-ray source determined using Chandra observations has allowed this source to be confidently associated with a faint optical object ( $m_R \approx 20.4$ ) whose optical spectrum exhibits a broad H  $\alpha$  emission line at redshift  $z = 0.037$ . Thus, the source IGR J18257-0707 is a type-1 Seyfert galaxy at redshift  $z = 0.037$ . © 2009 Pleiades Publishing, Ltd.

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### Keywords

Active galactic nuclei, Gamma-ray sources, Optical observations, X-ray sources